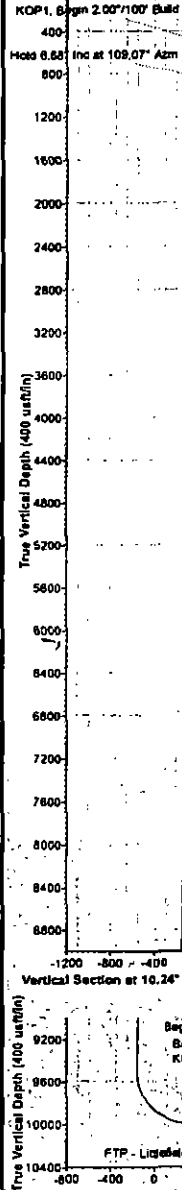
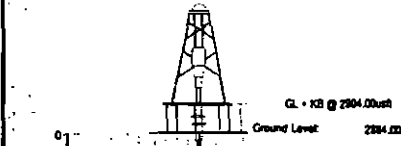


Project: Eddy County, New Mexico (NAD83)
 Site: Littlefield 34 Federal Com
 Well: 3H
 Wellbore: OH
 Design: Plan 1 09-20-16
 Rig:



T G M
 Azimuths to Grid North
 True North: -0.10°
 Magnetic North: 0.88°
 Magnetic Field
 Strength: 48071.507
 Dip Angle: 59.73°
 Date: 05/18/2016
 Model: HDGM



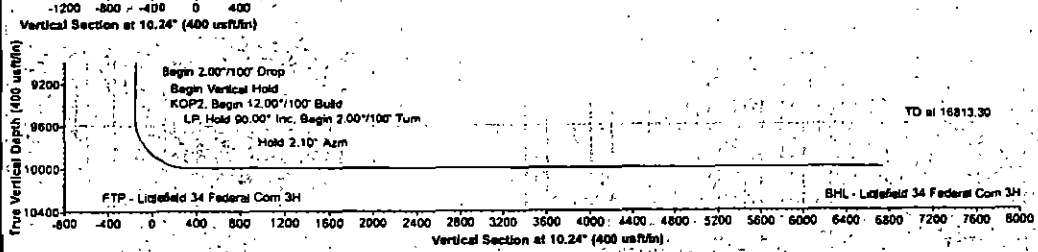
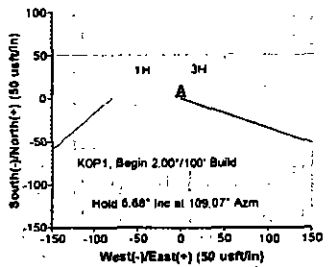
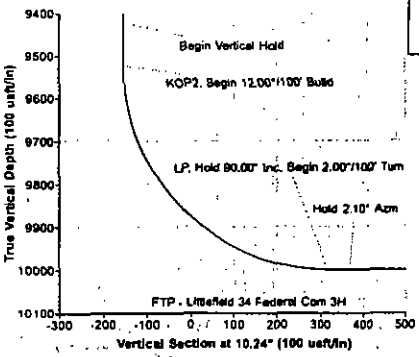
GL + KB @ 2904.00ust
 Ground Level: 2884.00

WELL DETAILS						
		Ground Level	2884.00			
+N-S	-E-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	364347.10	652975.58	32° 0' 4.17267 N	103° 58' 23.49626 W	

DESIGN TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude
BHL - Littlefield 34 Federal Com 3H	10000.00	6826.80	1197.40	370974.00	654172.80	32° 0' 8.71411 N
FTP - Littlefield 34 Federal Com 3H	10000.00	-42.80	92.90	364298.30	653928.40	32° 0' 3.85819 N

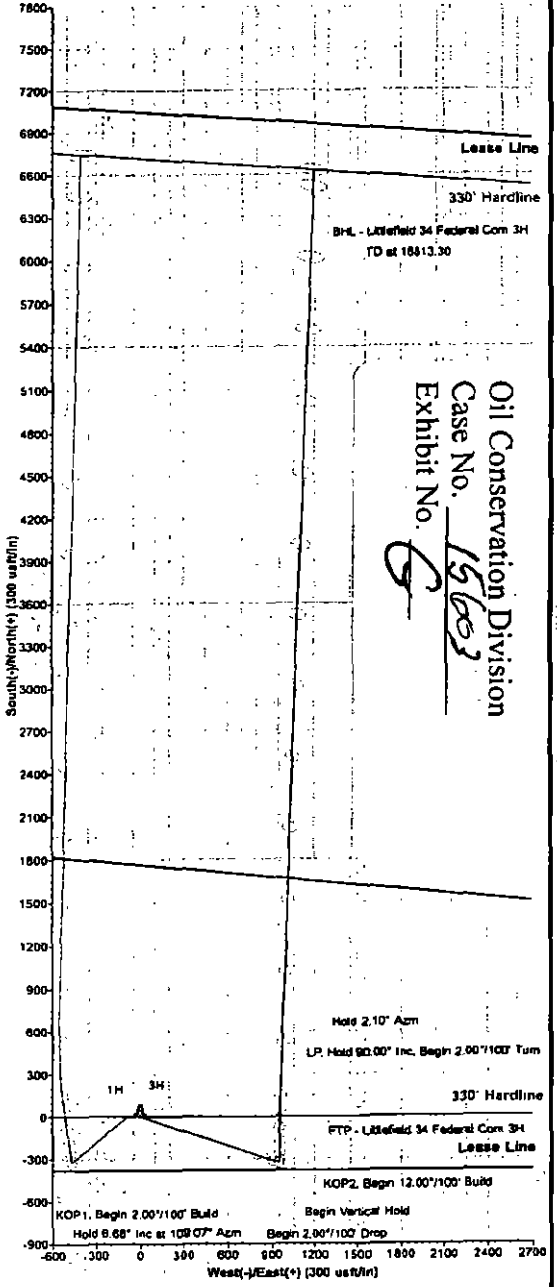
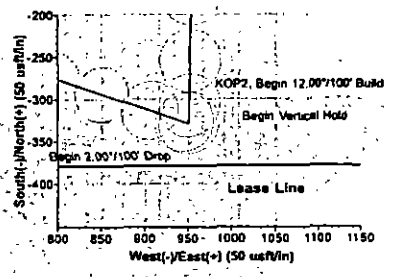
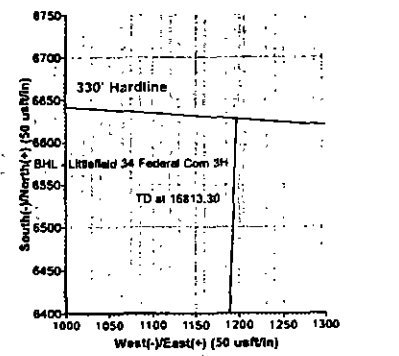
SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	VSec	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP1, Begin 2.00°/100' Build
3	834.18	6.88	109.07	833.43	-8.36	18.40	2.00	109.07	-2.99		Hold 6.88° Inc at 109.07° Azm
4	9148.38	6.88	109.07	9089.11	-322.52	932.72	0.00	0.00	-151.54		Begin 2.00°/100' Drop
5	9480.55	0.00	0.00	9472.54	-328.89	951.12	2.00	189.00	-154.53		Begin Vertical Hold
6	9580.55	0.00	0.00	9522.54	-328.89	951.12	0.00	0.00	-154.53		KOP2, Begin 12.00°/100' Build
7	10330.55	80.00	1.10	10000.00	148.48	960.29	12.00	1.10	318.87		LP, Hold 90.00° Inc, Begin 2.00°/100' Turn
8	10380.54	80.00	2.10	10000.00	198.47	981.69	2.00	90.00	368.30		Hold 2.10° Azm
9	16813.30	80.00	2.10	10000.00	6626.80	1197.40	0.00	0.00	6734.21		BHL - Littlefield 34 Federal Com 3H TD at 16813.30

FORMATION TOP DETAILS
 No formation data is available



Map System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone Name: New Mexico Eastern Zone
 Local Origin: Well 3H, Grid North
 Latitude: 32° 0' 4.17267 N
 Longitude: 103° 58' 23.49626 W
 Grid East: 652975.50
 Grid North: 364347.10
 Scale Factor: 1.000
 Geomagnetic Model: HDGM
 Sample Date: 19-Sep-16
 Magnetic Declination: 7.07°
 Dip Angle from Horizontal: 59.73°
 Magnetic Field Strength: 48071
 To convert a Magnetic Direction to a Grid Direction, Add 6.66°
 To convert a Magnetic Direction to a True Direction, Add 7.07° East
 To convert a True Direction to a Grid Direction, Subtract 0.10°

LEGEND
 — 1H, OH, Plan 1 09-20-16 V0
 — Plan 1 09-20-16



Oil Conservation Division
 Case No. 15663
 Exhibit No. 6